

REMARKS

The Office Action of January 10, 2006 was received and carefully reviewed. Reconsideration and withdrawal of the currently pending rejections are requested for the reasons advanced in detail below.

Claims 19-27, 80-87 and 105-123 were pending for consideration prior to the instant amendment. By this amendment, claims 19, 80, 105 and 115 have been amended. Claims 1-10, 36-45, 54-62, 71-79 and 88-104 remain withdrawn from consideration, and claims 11-18, 28-35, 46-53 and 63-70 were previously canceled. As a result, claims 19-27, 80-87 and 105-123 are currently pending for consideration.

Initially, as submitted previously, although claim 62 is not listed as a withdrawn claim, it depends from claim 54, which is and, as such, should likewise be included in the withdrawn claims.

Claims 19, 25, 80, 105-106, 112, 115-116 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Shinya (U.S. Patent No. 5,170,158). Further, claims 20-24, 81-85, 107-111 and 117-121 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Shinya, and further in view of Luder et al. (U.S. Patent No. 5,642,117 – hereafter Luder). Still further, claims 26 and 113 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Shinya, and further in view of Friend et al. (U.S. Patent No. 5,247,190 – hereafter Friend). Still further, claims 27 and 114 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Shinya in view of Matsueda et al. (U.S. Patent No. 6,384,806 B1 – hereafter Matsueda). Finally, claims 86-87 and 122-123 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Shinya in view of Lewis (U.S. Patent No. 5,589,847 – hereafter Lewis). These rejections are respectfully traversed at least for the reasons provided below.

In response to the rejections, Applicants have amended all pending independent claims 19, 80, 105 and 115, as shown above. Specifically, claims 19, 80, 105 and 115 have been amended to recite that, in an image display device, an operation, in which the digital picture signals are inputted to the respective shift registers, the inputted digital picture signals are sequentially shifted in the respective shift registers in synchronization with a clock signal until they are outputted to the corresponding storage circuits, and the shifted digital picture signals are taken into the storage circuits by a latch signal while a supply of the clock signal.

to the respective shift registers is being stopped, is repeated n (n is an integer not less than 2) times in a time corresponding to one horizontal scan period. Support for the amended features can be found at least on, e.g., page 9, lines 21 to page 11 lines 12 of specification, and Fig. 2.

According to the claimed invention, by taking digital picture signals into storage circuit while a clock signal is being stopped, power consumption of the image display device can advantageously be reduced and an operational stability of the image display device can be achieved.

In contrast with Applicants' claimed invention, Shinya, which is a primary reference cited in all the pending rejections, teaches that a signal is latched by latch circuit with LCK with a clock signal SCK is active, as shown in Fig. 11. Further, in Fig. 16 of Shinya a signal may be latched by latch circuit with LCK while a clock signal FCK being stopped, but the latching of a signal is operated only one time and not repeated in a time corresponding to one horizontal scan period, such as the case in the presently claimed invention. Therefore, Shinya does not teach, disclose or suggest an operation, in which the digital picture signals are inputted to the respective shift registers, the inputted digital picture signals are sequentially shifted in the respective shift registers in synchronization with a clock signal until they are outputted to the corresponding storage circuits, and the shifted digital picture signals are taken into the storage circuits by a latch signal while a supply of the clock signal to the respective shift registers is being stopped, is repeated n (n is an integer not less than 2) times in a time corresponding to one horizontal scan period, as recited in the amended independent claims.

The requirements for establishing a *prima facie* case of obviousness, as detailed in MPEP § 2143 - 2143.03 (pages 2100-122 - 2100-136), are: first, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference to combine the teachings; second, there must be a reasonable expectation of success; and, finally, the prior art reference (or references when combined) must teach or suggest all of the claim limitations. As Shinya and all of the cited secondary references fail to teach, disclose or suggest the amended features, in combination with other claimed features, the application of Shinya, alone or in combination with Lewis, Luder, Friend or Matsueda, is improper.

In addition, Applicants submit herewith correction to Fig. 28, as shown in the attached Replacement Sheet. Please note that 1st shift register to which D0(A) is inputted, 2nd shift register to which D1(A) is inputted and 3rd shift register to which D2(A) is inputted are connected to the most left LAT portion and the 3rd LAT portion from the left, and 4th shift register to which D0(B) is inputted, 5th shift register to which D1(B) is inputted and 6th shift register to which D2(B) is inputted are connected to the 2nd LAT portion from the left and the most right LAT portion.

Applicants note that Fig. 28 was added in the Amendment filed November 8, 2004. The proposed changes are merely for corrected obvious errors were made when Fig. 28 was prepared and submitted previously. No new matter has been added in this correction of Fig. 28 attached herewith.

In view of the foregoing, it is respectfully requested that the rejections of record be reconsidered and withdrawn by the Examiner, that claims 19-27, 80-87 and 105-123 be allowed and that the application be passed to issue. If a conference would expedite prosecution of the instant application, the Examiner is hereby invited to telephone the undersigned to arrange such a conference.

Respectfully submitted,



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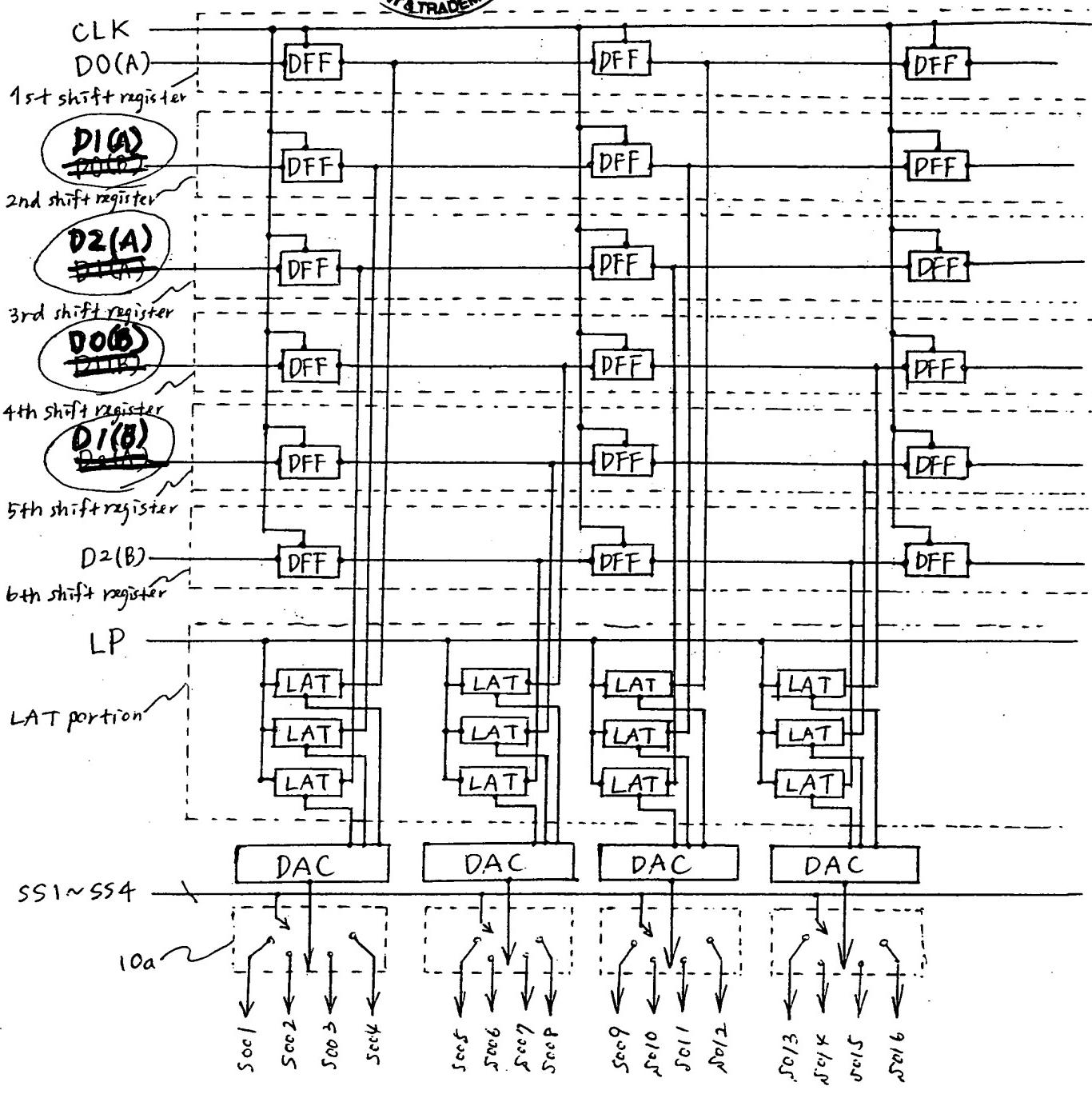


FIG. 28